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1. **IEEE recommended practice for grounding of industrial and commercial power systems**
IEEE Std 142-1991
22 June 1992
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2. **Maximising the saliency ratio of the synchronous reluctance motor**
Staton, D.A.; Miller, T.J.E.; Wood, S.E.;
Electric Power Applications, IEE Proceedings B [see also IEE Proceedings-Electric Power Applicat
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18 Sept. 1991
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January 1997 Page(s):i - 436
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5. **Database facilities for engineering design**
Eastman, C.M.;
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Volume 69, Issue 10, Oct. 1981 Page(s):1249 - 1263
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6. **Human-robot interaction in rescue robotics**
Murphy, R.R.;
Systems, Man and Cybernetics, Part C, IEEE Transactions on
Volume 34, Issue 2, May 2004 Page(s):138 - 153
Digital Object Identifier 10.1109/TSMCC.2004.826267
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Bindon, F.J.L.;
Power Engineering Journal [see also Power Engineer]
Volume 7, Issue 1, Feb. 1993 Page(s):21 - 28
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8. **NEC requirements of isolated safety ground for medium voltage mobile or portable equipme environment**
Robertson, W.F.; Das, J.C.;
Pulp and Paper Industry Technical Conference , 1999. Conference Record of 1999 Annual
21-25 June 1999 Page(s):216 - 223
Digital Object Identifier 10.1109/PAPCON.1999.779368
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9. **IEEE recommended practice for emergency and standby power systems for industrial and c applications**
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13 Feb. 1987
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Volume 16, Issue 9, Sept. 1996 Page(s):7
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12. **Interference-reducing antennas for shortwave broadcast listeners**
Villard, O.G., Jr.;
Broadcasting, IEEE Transactions on
Volume 34, Issue 2, June 1988 Page(s):159 - 166
Digital Object Identifier 10.1109/11.1432
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13. **Intelligent computer-aided instruction: a survey organized around system components**
Rickel, J.W.;
Systems, Man and Cybernetics, IEEE Transactions on
Volume 19, Issue 1, Jan.-Feb. 1989 Page(s):40 - 57
Digital Object Identifier 10.1109/21.24530
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14. **49th Annual Device Research Conference (papers in summary form only received)**
Electron Devices, IEEE Transactions on
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Digital Object Identifier 10.1109/16.158768
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15. **Display terminals as you like them FMS**
Luciano, V.P.;

Spectrum, IEEE
Volume 30, Issue 9, Sept. 1993 Page(s):35 - 37
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Krotkov, E.; Hoffman, R.;
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☐ 18. **An integrated scheme for automated video abstraction based on unsupervised cluster-valid**
Hanjalic, A.; HongJiang Zhang;
Circuits and Systems for Video Technology, IEEE Transactions on
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Digital Object Identifier 10.1109/76.809162

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De Backer, B.; Borjeson, H.; De Zutter, D.; Olyslager, F.;
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Volume 52, Issue 5, Sept. 2003 Page(s):1297 - 1307
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Cosatto, E.; Ostermann, J.; Graf, H.P.; Schroeter, J.;
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☐ 21. **SOP integration and codesign of antennas**
Brebels, S.; Ryckaert, J.; Come, B.; Donnay, S.; Walter De Raedt; Beyne, E.; Mertens, R.P.;
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☐ 22. **Caveat emptor - what to know before trying to beat a consumer system into a scientific instr**
DiDio, J., III; Chonacky, N.;
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☐ 23. **Photon-counting gamma camera based on an electron-multiplying CCD**
de Vree, G.A.; Westra, A.H.; Moody, I.; van der Have, F.; Ligtvoet, K.M.; Beekman, F.J.;
Nuclear Science, IEEE Transactions on
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Digital Object Identifier 10.1109/TNS.2005.851443

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☐ 24. **Robot-assisted medical reachback: using shared visual information**
Riddle, D.R.; Murphy, R.R.; Burke, J.L.;
Robot and Human Interactive Communication, 2005. ROMAN 2005. IEEE International Workshop
13-15 Aug. 2005 Page(s):635 - 642
Digital Object Identifier 10.1109/ROMAN.2005.1513851

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Research in Microelectronics and Electronics, 2005 PhD
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26. **IEEE Std. C62.41.1 - 2002**
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2003 Page(s):0_1 - 162
AbstractPlus | Full Text: PDF(10666 KB) IEEE STD

27. **IEEE Recommended Practice For Emergency And Standby Power Systems For Industrial Ar Applications**
IEEE Std 446-1995 [The Orange Book]
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28. **IEEE guide for generating station grounding**
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11 May 1987
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31 Dec. 1992
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1. **IEEE transactions on magnetics cumulative index 1985-2000 volumes 21-36 [Subject Index]**
Magnetics, IEEE Transactions on
Volume 37, Issue 6, Part 2, Nov 2001 Page(s):467 - 1288
Digital Object Identifier 10.1109/TMAG.2001.966142
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Industry Applications, IEEE Transactions on
Volume 38, Issue 1, Jan.-Feb. 2002 Page(s):247 - 356
Digital Object Identifier 10.1109/TIA.2002.980379
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3. **EEE transactions on magnetics cumulative index 1985-2000 volumes 21-36 [Author Index]**
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5. **IEEE Recommended Practice For Energy Management In Industrial And Commercial Facilitl**
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November 1996 Page(s):i - 362
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9. **Computers in power system planning**
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10. **Modern production methods for large ships**
Tanaka, H.;
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11. **Noise Abatement symposium**
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12. **Two-dimensional spatial light modulators: a tutorial**
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Science, Measurement and Technology, IEE Proceedings-

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Volume 6, Issue 2, Feb. 1988 Page(s):150 - 154
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Hicks, B.D.;
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1 MAESTRO: conductor of multimedia analysis technologies
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February 2000 **Communications of the ACM**, Volume 43 Issue 2
Publisher: ACM Press
Full text available: pdf(665.60 KB) html(33.60 KB) Additional Information: full citation, references, citings, index terms

2 Programming time in multimedia user interfaces
Nuno M. Guimarães, Nuno Correia, Telmo A. Carmo
December 1992 **Proceedings of the 5th annual ACM symposium on User interface software and technology**
Publisher: ACM Press
Full text available: pdf(1.01 MB) Additional Information: full citation, abstract, references, citings, index terms

The new media types used in advance user interfaces and interactive systems introduce time as a significant variable. This paper addresses the architectural support and programming tools that should be provided to the programmer to manage the time dependencies. The approach considers that the basic models and programming paradigms adopted in the manipulation and management of time should be isomorphic with the spatial models used in existing graphical user interfaces. The paper d ...

Keywords: UI toolkits, dynamic media, multimedia user interfaces, time programming

3 Tenets for an interlingual representation of definite NPs
Montserrat Meya
August 1990 **Proceedings of the 13th conference on Computational linguistics - Volume 2**
Publisher: Association for Computational Linguistics
Full text available: pdf(465.77 KB) Additional Information: full citation, references, citings

4 Topic segmentation of news speech using word similarity
Seiichi Takao, Jun Ogata, Yasuo Ariki

October 2000 **Proceedings of the eighth ACM international conference on Multimedia**
Publisher: ACM Press

Full text available: pdf(271.43 KB) Additional Information: full citation, abstract, references, citings, index terms

Conventional topic segmentation utilizes cosine measure as the similarity between consecutive passages. However, the cosine measure has a problem that it can not reflect the similarity unless exactly the same words are included in the passages. To solve this problem, in this paper, we propose a method to acquire the word similarity between different words from the input data directly and automatically by managing to collect the same topic sections. Further ...

5 Synchronization in the MAEstro multimedia authoring environment

George D. Drapeau
September 1993 **Proceedings of the first ACM international conference on Multimedia**
Publisher: ACM Press

Full text available: pdf(65.56 KB) ps(87.29 KB) Additional Information: full citation, references, citings, index terms, review

6 STUDENT SESSION: Incremental dependency parsing

Vincenzo Lombardo
June 1992 **Proceedings of the 30th annual meeting on Association for Computational Linguistics**
Publisher: Association for Computational Linguistics

Full text available: pdf(303.58 KB) Publisher Site Additional Information: full citation, abstract, references, citings

The paper introduces a dependency-based grammar and the associated parser and focusses on the problem of determinism in parsing and recovery from errors. First, it is shown how dependency-based parsing can be afforded, by taking into account the suggestions coming from other approaches, and the preference criteria for parsing are breifly addressed. Second, the issues of the interconnection between the syntactic analysis and the semantic interpretation in incremental processing are discussed and ...

7 Information technology innovations: a classification by IT locus of impact and research approach

Mary B. Prescott, Sue A. Conger
May 1995 **ACM SIGMIS Database**, Volume 26 Issue 2-3
Publisher: ACM Press

Full text available: pdf(1.66 MB) Additional Information: full citation, abstract, citings, index terms

Research based on diffusion of innovation (DOI) theory investigates the evaluation, adoption, and implementation of innovations. Gaining understanding is difficult when tracing results on a study-by-study basis. To remove some of the barriers to comparison of results, we distinguish between innovations according to their locus of impact (IS unit, intra- or inter-organizational) and between studies according to research approach (factor or stage).A representative sample of 70 information technolo ...

Keywords: diffusion stages, factor research, information technology diffusion, process research

8 Text databases: a survey of text models and systems

Arjan Loeffen

March 1994 **ACM SIGMOD Record**, Volume 23 Issue 1
Publisher: ACM Press
Full text available: pdf(1.47 MB) Additional Information: full citation, abstract, citings, index terms

Text models focus on the manipulation of textual data. They describe texts by their structure, operations on the texts, and constraints on both structure and operations. In this article common characteristics of machine readable texts in general are outlined. Subsequently, ten text models are introduced. They are described in terms of the datatypes that they support, and the operations defined by these datatypes. Finally, the models are compared.

9 Nsync—a toolkit for building interactive multimedia presentations
Brian Bailey, Joseph A. Konstan, Robert Cooley, Moses Dejong
September 1998 **Proceedings of the sixth ACM international conference on Multimedia**
Publisher: ACM Press
Full text available: pdf(1.11 MB) Additional Information: full citation, references, citings, index terms

10 Selected Information Retrieval Abstracts
Gerry Salton
November 1990 **ACM SIGIR Forum**, Volume 24 Issue 3
Publisher: ACM Press
Full text available: pdf(844.03 KB) Additional Information: full citation

11 The project library - a tool for software development
Ernst Denert
September 1979 **Proceedings of the 4th international conference on Software engineering**
Publisher: IEEE Press
Full text available: pdf(888.81 KB) Additional Information: full citation, abstract, references, index terms

The project library presented in this article insures the harmonious development of the documentation for a software system in tandem with the development of the system itself. It offers the programmer a well-defined framework for his work, and gives management an articulate means for planning and control. The structure of the project library is defined by three dimensions: (1) systems structure (modularization), (2) standard organization and (3) development status. The project library has ...

12 Group communication specifications: a comprehensive study
Gregory V. Chockler, Idid Keidar, Roman Vitenberg
December 2001 **ACM Computing Surveys (CSUR)**, Volume 33 Issue 4
Publisher: ACM Press
Full text available: pdf(499.61 KB) Additional Information: full citation, abstract, references, citings, index terms, review

View-oriented group communication is an important and widely used building block for many distributed applications. Much current research has been dedicated to specifying the semantics and services of view-oriented group communication systems (GCSs). However, the guarantees of different GCSs are formulated using varying terminologies and modeling techniques, and the specifications vary in their rigor. This makes it difficult to analyze and compare the different systems. This survey provi ...

Keywords: Group communication systems, partitionable group membership, process group membership, specifications of group communication systems, view synchrony,

virtual synchrony

13 Automatic temporal layout mechanisms

M. Cecelia Buchanan, Polle T. Zellweger
September 1993 **Proceedings of the first ACM international conference on Multimedia**
Publisher: ACM Press
Full text available: pdf(109.15 KB) ps(451.70 KB) Additional Information: full citation, references, citings, index terms

Keywords: automatic scheduling, automatic temporal layout, media synchronization, multimedia document formatting, temporal constraints

14 Automatic temporal layout mechanisms revisited

M. Cecelia Buchanan, Polle T. Zellweger
February 2005 **ACM Transactions on Multimedia Computing, Communications, and Applications (TOMCCAP)**, Volume 1 Issue 1
Publisher: ACM Press
Full text available: pdf(1.09 MB) Additional Information: full citation, abstract, references, citings, index terms

A traditional static document has a spatial layout that specifies where objects in the document appear. Because multimedia documents incorporate time, they also require a temporal layout, or schedule, that specifies when events in the document occur. This article argues that multimedia document systems should provide mechanisms for automatically producing temporal layouts for documents. The major advantage of this approach is that it makes it easier for authors to create and modify multimedia do ...

Keywords: Multimedia documents, multimedia authoring, temporal formatting, temporal specification

15 The walk-through approach to authoring multimedia documents

S. Hudson, C.-N. Hsi
October 1994 **Proceedings of the second ACM international conference on Multimedia**
Publisher: ACM Press
Full text available: pdf(947.48 KB) Additional Information: full citation, abstract, references, citings, index terms

This paper describes a novel approach to authoring multimedia documents based on the walk-through paradigm. Using this approach, multimedia authoring tasks can be performed in the context of the multimedia presentation under construction. It greatly simplifies the authoring process by hiding the use of composition constructs and eliminating the turn-around time from the editing and testing parts of the development cycle. End user multimedia authoring and fast prototyping can therefore be re ...

16 Education and training: An XML-based approach to multimedia software engineering for distance learning

T. Arndt, S. K. Chang, A. Guercio, P. Maresca
July 2002 **Proceedings of the 14th international conference on Software engineering and knowledge engineering SEKE '02**
Publisher: ACM Press
Full text available: pdf(95.53 KB) Additional Information: full citation, abstract, references

Multimedia Software Engineering (MSE) is a new frontier for both Software Engineering (SE) and Visual Languages (VL). In fact multimedia software engineering can be considered as the discipline for systematic specification, design, substitution and verification of visual patterns. Visual Languages contribute to MSE such concepts as: Visual notation for software specification, design and verification flow charts, ER diagrams, Petri Nets, UML visualization, visual programming languages etc. Multim ...

17 Applications: A multiagent approach for musical interactive systems

Rodolfo Daniel Wulfhorst, Lauro Nakayama, Rosa Maria Vicari

July 2003 **Proceedings of the second international joint conference on Autonomous agents and multiagent systems**

Publisher: ACM Press

Full text available: pdf(468.52 KB) Additional Information: full citation, abstract, references, index terms

The present work proposes a model for a Multiagent System capable to deal with music. Through such a Musical Multiagent System many Computer Music problems may appear. This proposal is based on a community of agents that interact through musical events (MIDI), simulating the behavior of a musical group. The result is the implementation of an intelligent accompaniment system, where agents "listen" and interact with each other. Agents with musical cognition were able to play their instruments with ...

Keywords: blackboard architecture, computer music, fuzzy controllers, multiagent systems, musical perception

18 Q Focus: Error recovery: Error messages: what's the problem?

Paul P. Maglio, Eser Kandogan

November 2004 **Queue**, Volume 2 Issue 8

Publisher: ACM Press

Full text available: pdf(369.49 KB) html(22.42 KB) Additional Information: full citation, index terms

19 Automatic speech recognition and its application to information extraction

Sadaoki Furui

June 1999 **Proceedings of the 37th annual meeting of the Association for Computational Linguistics on Computational Linguistics**

Publisher: Association for Computational Linguistics

Full text available: pdf(836.05 KB) Additional Information: full citation, abstract, references

This paper describes recent progress and the author's perspectives of speech recognition technology. Applications of speech recognition technology can be classified into two main areas, dictation and human-computer dialogue systems. In the dictation domain, the automatic broadcast news transcription is now actively investigated, especially under the DARPA project. The broadcast news dictation technology has recently been integrated with information extraction and retrieval technology and many ...

20 Cooperative visual manipulation of music notation

P. Bellini, P. Nesi, M. B. Spinu

September 2002 **ACM Transactions on Computer-Human Interaction (TOCHI)**, Volume 9 Issue 3

Publisher: ACM Press

Full text available: pdf(3.42 MB) Additional Information: full citation, abstract, references, citings, index terms

As computer technologies and their potential emerging applications spread out, new needs

have been detected for computer-based applications of music; cooperative music notation editing both in orchestras and music schools is one of them. This article is the only public document describing the details of cooperative work on music notation of MOODS (Music Object Oriented Distributed System). MOODS is a synchronous real-time cooperative editor for music scores. Its architecture includes mechanisms ...

Keywords: Collaboration of music notation editing, additional command list, collaborative systems, computer-supported cooperative work, consistency control, cooperative music, distributed music, electronic lectern, neutral version, selective undo, user interface management systems

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1 Typer inference builds a short cut to deforestation

Olaf Chitil
September 1999 **ACM SIGPLAN Notices , Proceedings of the fourth ACM SIGPLAN international conference on Functional programming ICFP '99**, Volume 34 Issue 9
Publisher: ACM Press

Full text available: pdf(1.38 MB) Additional Information: full citation, abstract, references, citings, index terms

Deforestation optimises a functional program by transforming it into another one that does not create certain intermediate data structures. Short cut deforestation is a deforestation method which is based on a single, local transformation rule. In return, short cut deforestation expects both producer and consumer of the intermediate structure in a certain form. Warm fusion wan proposed to automatically transform functions into this form. Unfortunately, it is costly and hard to implement. Startin ...

2 Object lessons learned from a distributed system for remote building monitoring and operation

Frank Olken, Hans-Arno Jacobsen, Chuck McParland, Mary Ann Piette, Mary F. Anderson
October 1998 **ACM SIGPLAN Notices , Proceedings of the 13th ACM SIGPLAN conference on Object-oriented programming, systems, languages, and applications OOPSLA '98**, Volume 33 Issue 10
Publisher: ACM Press

Full text available: pdf(1.54 MB) Additional Information: full citation, abstract, references, citings, index terms

In this paper we describe our experiences with the design, the deployment, and the initial operation of a distributed system for the remote monitoring and operation of multiple heterogeneous commercial buildings across the Internet from a single control center. Such systems can significantly reduce building energy usage.Our system is distinguished by its ability to interface to multiple heterogeneous legacy building Energy Management Control Systems (EMCSs), its use of the Common Object Request ...

3 A case study in system integration using the Build approach

David J. Schultz
January 1979 **Proceedings of the 1979 annual conference**
Publisher: ACM Press

Full text available: pdf(861.31 KB) Additional Information: full citation, abstract, references, citings, index terms

An approach to software system integration used at Computer Sciences Corporation (CSC) is described and compared with established approaches to system integration. The approach presented here is evolutionary in nature: system functions are integrated and demonstrated to the customer in a series of successive system increments referred to as "Builds". The order of integration is essentially top-down with vertical slicing, i.e., functional capabilities are demonstrated to the cust ...

4 Daily build and feature development in large distributed projects

Even-André Karlsson, Lars-Göran Andersson, Per Leion

June 2000 **Proceedings of the 22nd international conference on Software engineering**

Publisher: ACM Press

Full text available: pdf(93.48 KB) Additional Information: full citation, abstract, references, citings, index terms

Daily build is a software development paradigm that originated in the PC industry to get control of the development process, while still allowing the focus on end user requirements and code. The PC industry used daily build to avoid chaos in increasingly larger applications in an environment without a strong development process. Ericsson Radio Systems has chosen to implement daily build to increase the focus on end user requirements and code, but from a different starting point with a tradi ...

Keywords: daily build, extreme programming, feature teams, incremental development, integrated product teams

5 HFS: a performance-oriented flexible file system based on building-block compositions

Orran Krieger, Michael Stumm

May 1996 **Proceedings of the fourth workshop on I/O in parallel and distributed systems: part of the federated computing research conference**

Publisher: ACM Press

Full text available: pdf(1.83 MB) Additional Information: full citation, references, citings, index terms

6 HFS: a performance-oriented flexible file system based on building-block compositions

Orran Krieger, Michael Stumm

August 1997 **ACM Transactions on Computer Systems (TOCS)**, Volume 15 Issue 3

Publisher: ACM Press

Full text available: pdf(383.87 KB) Additional Information: full citation, abstract, references, citings, index terms, review

The Hurricane File System (HFS) is designed for (potentially large-scale) shared-memory multiprocessors. Its architecture is based on the principle that, in order to maximize performance for applications with diverse requirements, a file system must support a wide variety of file structures, file system policies, and I/O interfaces. Files in HFS are implemented using simple building blocks composed in potentially complex ways. This approach yields great flexibility, allowing an application ...

Keywords: customization, data partitioning, data replication, flexibility, parallel computing, parallel file system

7 Building interpreters by composing monads

Guy L. Steele
February 1994 **Proceedings of the 21st ACM SIGPLAN-SIGACT symposium on Principles of programming languages**
Publisher: ACM Press

Full text available: pdf(1.68 MB) Additional Information: full citation, abstract, references, citings, index terms

We exhibit a set of functions coded in Haskell that can be used as building blocks to construct a variety of interpreters for Lisp-like languages. The building blocks are joined merely through functional composition. Each building block contributes code to support a specific feature, such as numbers, continuations, functions calls, or nondeterminism. The result of composing some number of building blocks is a parser, an interpreter, and a printer that support exactly the expression forms an ...

8 Special Section on Science of Network Design: Building the blocks of protocol design and analysis: challenges and lessons learned from case studies on mobile ad hoc routing and micro-mobility protocols

Fan Bai, Ganesha Bhaskara, Ahmed Helmy
July 2004 **ACM SIGCOMM Computer Communication Review**, Volume 34 Issue 3
Publisher: ACM Press
Full text available: pdf(573.77 KB) Additional Information: full citation, abstract, references, index terms

With the emergence of new application-specific sensor and Ad-hoc networks, increasingly complex and custom protocols will be designed and deployed. We propose a framework to systematically design and evaluate networking protocols based on a 'building block' approach. In this approach, each protocol is broken down into a set of parameterized modules called "building blocks", each having its own specific functionality. The properties of these building blocks and their interaction define the ove ...

Keywords: building block, micro-mobility, mobile ad hoc network, protocol analysis, protocol design

9 Applications in logistics, transportation, and distribution: Transportation applications of simulation: simulation building blocks for airport terminal modeling

Alexander Verbraeck, Edwin Valentin
December 2002 **Proceedings of the 34th conference on Winter simulation: exploring new frontiers**
Publisher: Winter Simulation Conference
Full text available: pdf(336.76 KB) Additional Information: full citation, abstract, references, citings

Airports are an ideal application area for simulation. The processes are in a continuous state of change, are complex and stochastic, involve many moving objects, and require a good performance that can be measured in several different performance indicators. Within airports, but also between airports, the same kind of questions are answered over and over again. Often, however, new simulation models are built for each question, if possible copying some parts of previous models. Structured reu ...

10 Modeling methodology a: Practice: guidelines for designing simulation building blocks

Edwin C. Valentin, Alexander Verbraeck
December 2002 **Proceedings of the 34th conference on Winter simulation: exploring new frontiers**
Publisher: Winter Simulation Conference
Full text available: pdf(263.98 KB) Additional Information: full citation, abstract, references, citings

Instinctively, it seems better to support decision making by simulation studies carried out

with domain specific simulation building blocks, than by simulation studies that start without the knowledge captured in these building blocks. However, only a limited number of project examples using simulation building blocks exist, which showed improved results as a result of the use of building blocks. We identified a number of requirements to overcome the problems in complex simulation studies. We ...

11 KICS: a knowledge-intensive case-based reasoning system for statutory building regulations and case histories

Soon-Ae Yang, Dave Robertson, John Lee

August 1993 **Proceedings of the 4th international conference on Artificial intelligence and law**

Publisher: ACM Press

Full text available: pdf(1.01 MB) Additional Information: full citation, abstract, references, index terms

There have been several knowledge-based systems for statutory building regulations during the last decade, such as Fenves et al's systems using the SASE model, Stone and Wilcox's system using a rule-based approach, and Waard's system using Cornick et al;'s model-based approach. However, they take into account only one side of building regulations, considering them only in the context of design systems and ignoring the existence of case histories. Building r ...

12 Optimized System Synthesis of Complex RT Level Building Blocks from Multirate Dataflow Graphs

Jens Horstmannshoff, Heinrich Meyr

November 1999 **Proceedings of the 12th international symposium on System synthesis**

Publisher: IEEE Computer Society

Full text available: pdf(160.15 KB) Publisher Site Additional Information: full citation, abstract, citings

In order to cope with the ever increasing complexity of todays application specific integrated circuits, a building block based design methodology is established. The system is composed of high level building blocks of which some are reused from previous designs while others might have been created by behavioral synthesis. In data flow oriented designs, these blocks usually have complex non-matching interface properties, making it necessary to generate additional interfacing and controlling hard ...

13 Computer Graphics Building Definition System

Jeffrey Z. Gingerich

June 1973 **Proceedings of the 10th workshop on Design automation**

Publisher: IEEE Press

Full text available: pdf(1.12 MB) Additional Information: full citation, abstract, index terms

In the Architectural field many computer programs exist for design aid. They vary from space allocation algorithms to structural analysis and computer graphic design. More often than not, these programs are independent. Even though most of the architectural programs use similar data in describing buildings and/or parts of buildings and its systems, they very seldom have compatible formats. Therefore, to run a program the user must redescribe the building and/or its parts. If a fi ...

14 Cooperation in MAS: Performance models for large scale multiagent systems: using distributed POMDP building blocks

Hyuckchul Jung, Milind Tambe

July 2003 **Proceedings of the second international joint conference on Autonomous agents and multiagent systems**

Publisher: ACM Press

Full text available: pdf(259.17 KB) Additional Information: full citation, abstract, references, index terms

Given a large group of cooperative agents, selecting the right coordination or conflict resolution strategy can have a significant impact on their performance (e.g., speed of convergence). While performance models of such coordination or conflict resolution strategies could aid in selecting the right strategy for a given domain, such models remain largely uninvestigated in the multiagent literature. This paper takes a step towards applying the recently emerging distributed POMDP (partially obser ...

15 Archiving, digital collections, and analysis: Building memory

Dimitris Papalexopoulos, Eleni Kalafati, Sakis Papadopoulos

November 2001 **Proceedings of the 2001 conference on Virtual reality, archeology, and cultural heritage**

Publisher: ACM Press

Full text available: pdf(6.76 MB) Additional Information: full citation, references, index terms

16 Removing false code dependencies to speedup software build processes

Yijun Yu, Homy Dayani-Fard, John Mylopoulos

October 2003 **Proceedings of the 2003 conference of the Centre for Advanced Studies on Collaborative research**

Publisher: IBM Press

Full text available: pdf(158.71 KB) Additional Information: full citation, abstract, references, index terms

The development of large software systems involves a continual lengthy build process that may include preprocessing, compilation and linking of tens of thousands of source code files. In many cases, much of this build time is wasted because of false dependencies between implementation files and their respective header files. We present a graph algorithm and a programming tool that discovers and removes false dependencies among files. We show experimentally that the resulting preprocessed code is ...

17 Building Energy Analysis Programs

Henry Lau, J. Marx Ayres

December 1979 **Proceedings of the 11th conference on Winter simulation - Volume 1**

Publisher: IEEE Press

Full text available: pdf(521.55 KB) Additional Information: full citation, abstract, references, index terms

Building Energy Analysis Computer Programs consist of Loads, Systems, Plant, and Economic sub-programs. They are used by engineers and architects in the design and analysis of energy efficient building envelopes, heating, ventilating, and air conditioning, electrical and other service systems. The historical development of energy analysis programs is presented, the methodologies used in various programs are compared, and areas for future improvements are discussed.

18 Out-of-core build of a topological data structure from polygon soup

Sara McMains, Joseph M. Hellerstein, Carlo H. Séquin

May 2001 **Proceedings of the sixth ACM symposium on Solid modeling and applications**

Publisher: ACM Press

Full text available: pdf(1.22 MB) Additional Information: full citation, abstract, references, citings, index terms

Many solid modeling applications require information not only about the geometry of an object but also about its topology. Most interchange formats do not provide this information, which the application must then derive as it builds its own topological data structure from unordered, "polygon soup" input. For very large data sets, the topological

data structure itself can be bigger than core memory, so that a naive algorithm for building it that doesn't take virtual memory access p ...

19 Using technology to transform communities of practice into knowledge-building communities

Christopher M. Hoadley, Peter G. Kilner
January 2005 **ACM SIGGROUP Bulletin**, Volume 25 Issue 1
Publisher: ACM Press
Full text available: pdf(255.44 KB) Additional Information: full citation, abstract, references, index terms

Knowledge and learning exist as byproducts of social processes such as those that take place in communities of practice. We describe two frameworks for understanding and building online knowledge-building communities, or online communities of practice that enhance collective knowledge. First, the C4P framework is described as a way of understanding how knowledge is created and disseminated by participants in a community of practice. Second, we discuss ways in which technology provides added valu ...

Keywords: CILTKN, CompanyCommand, community of practice, context, conversation, design, distributed cognition, knowledge building, learning, online community, social networks

20 Trust-building measures: a review of consumer health portals

Wenhong Luo, Mohammad Najdawi
January 2004 **Communications of the ACM**, Volume 47 Issue 1
Publisher: ACM Press
Full text available: pdf(113.55 KB) html(25.42 KB) Additional Information: full citation, abstract, references, index terms, review

Health Web sites are employ a medley of trust-building approaches. But does a definitive formula exist for winning consumer trust?

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1 Plants: Measuring and modeling the appearance of finished wood

Stephen R. Marschner, Stephen H. Westin, Adam Arbree, Jonathan T. Moon
July 2005 **ACM Transactions on Graphics (TOG)**, Volume 24 Issue 3
Publisher: ACM Press
Full text available: pdf(734.62 KB) Additional Information: full citation, abstract, references, index terms

Wood coated with transparent finish has a beautiful and distinctive appearance that is familiar to everyone. Woods with unusual grain patterns. such as tiger, burl, and birdseye figures, have a strikingly unusual directional reflectance that is prized for decorative applications. With new, high resolution measurements of spatially varying BRDFs. we show that this distinctive appearance is due to light scattering that does not conform to the usual notion of anisotropic surface reflection. The beh ...

Keywords: anisotropic reflection, fibers, optical scattering, rendering, wood

2 Mixed reality hypermedia: The ambient wood journals: replaying the experience

Mark J. Weal, Danius T. Michaelides, Mark K. Thompson, David C. DeRoure
August 2003 **Proceedings of the fourteenth ACM conference on Hypertext and hypermedia**
Publisher: ACM Press
Full text available: pdf(349.20 KB) Additional Information: full citation, abstract, references, citings, index terms

The Ambient Wood project aims to facilitate a learning experience using an adaptive infrastructure in an outdoor environment. This involves sensor technology, virtual world orchestration, and a wide range of devices ranging from hand-held computers to speakers hidden in trees.Whilst performing user trials of the Wood, the activities of children participating in the experiments were recorded in detailed log files. An aim of the project has been to replay these log files using adaptive hypermedia ...

Keywords: adaptive infrastructure, consolidation, record and replay, storytelling

3 Computer drafting of stones, wood, plant and ground materials

Chris I. Yessios
August 1979 **ACM SIGGRAPH Computer Graphics , Proceedings of the 6th annual**

conference on Computer graphics and interactive techniques SIGGRAPH '79, Volume 13 Issue 2
Publisher: ACM Press

Full text available: pdf(887.61 KB) Additional Information: full citation, abstract, references, citings, index terms

Architectural presentation drawings frequently require the drafting of stones, wood patterns, plants and ground materials, which, contrary to the majority of drafting tasks, cannot rely on repetitious procedures. This paper discusses and illustrates computer implemented algorithms which generate graphic representations of the above materials. Simulating a process known to be applied in practice is certainly a sound approach, and one such algorithm, applicable for the derivation o ...

Keywords: Architectural drafting, Computer graphics, Ground representations, Intelligent drafting, Plant representations, Stone walls and pavements, Wood patterns

4 Ambient wood: designing new forms of digital augmentation for learning outdoors

Y. Rogers, S. Price, G. Fitzpatrick, R. Fleck, E. Harris, H. Smith, C. Randell, H. Muller, C. O'Malley, D. Stanton, M. Thompson, M. Weal
June 2004 **Proceeding of the 2004 conference on Interaction design and children: building a community**
Publisher: ACM Press
Full text available: pdf(381.72 KB) Additional Information: full citation, abstract, references, citings

Ubiquitous and mobile technologies provide opportunities for designing novel learning experiences that move out of the classroom. Information can be presented and interacted with in a variety of ways while exploring a physical environment. A key issue this raises is when, where, what and how much? Our research is concerned with the design, delivery and interaction of digital information when learning about ecology outdoors. We present a framework of the different *forms* of digital augmenta ...

Keywords: digital augmentation, mobile learning, outdoor learning, reflective learning, ubiquitous computing

5 Posters: Integrating image-rich biological information with a web search tool: the inside wood model

Shirley Rodgers, Elisabeth Wheeler, Troy Simpson, Jeff Bartlett
June 2005 **Proceedings of the 5th ACM/IEEE-CS joint conference on Digital libraries**
Publisher: ACM Press
Full text available: pdf(138.85 KB) Additional Information: full citation, abstract, index terms

North Carolina State University is collaborating with global partners to produce a comprehensive Internet-accessible wood anatomy reference, research, and teaching tool incorporating images, taxonomy, and anatomical information sets. With its multiple search capabilities, content types, and user options, InsideWood serves as a model for image-intensive, searchable biological collections. http://insidewood.lib.ncsu.edu/search/

Keywords: Luna Insight, PERL, botany, coldfusion oracle, image collection, taxonomic database, wood anatomy

6 Manufacturing applications: Productivity improvement: productivity improvement in the wood industry using simulation and artificial intelligence

Felipe F. Baesler, Milton Moraga, Francisco J. Ramis
December 2002 **Proceedings of the 34th conference on Winter simulation: exploring**

new frontiers

Publisher: Winter Simulation Conference

Full text available: pdf(175.74 KB) Additional Information: full citation, abstract, references

The objective of this article is to present the results obtained after using a simulation optimization methodology applied to a production line from a secondary manufacturing wood processing plant of a well known Chilean mill. For this reason a simulation model constructed in ARENA, was integrated to a genetic algorithms heuristic. The results obtained show that using a different configuration of the plant resources, it is possible to reduce the total average cycle time in 18%. The resource c ...

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1 Low-Level Image Cues in the Perception of Translucent Materials
Roland W. Fleming, Heinrich H. Bülthoff
July 2005 **ACM Transactions on Applied Perception (TAP)**, Volume 2 Issue 3
Publisher: ACM Press
Full text available: pdf(23.35 MB) Additional Information: full citation, abstract, references, index terms

When light strikes a translucent material (such as wax, milk or fruit flesh), it enters the body of the object, scatters and reemerges from the surface. The diffusion of light through translucent materials gives them a characteristic visual softness and glow. What image properties underlie this distinctive appearance? What cues allow us to tell whether a surface is translucent or opaque? Previous work on the perception of semitransparent materials was based on a very restricted physical model of ...

Keywords: Human visual perception, Metelli, illumination, image statistics, material perception, translucency, transparency

2 Rendering: Recovery of material under complex illumination conditions
Enhua Wu, Qimin Sun, Xuehui Liu
June 2004 **Proceedings of the 2nd international conference on Computer graphics and interactive techniques in Australasia and South East Asia GRAPHITE '04**
Publisher: ACM Press
Full text available: pdf(260.62 KB) Additional Information: full citation, abstract, references

To calculate the inter-reflection between real objects and virtual ones in augmented reality, recovery of material for the real objects is necessary. In this paper, an approach is proposed to recover the material properties from a single high dynamic range image for a homogeneous object under complex illumination conditions. By the method, we first acquire a high dynamic range image for the object, and one or a few environment maps in high dynamic range as illumination of the object. Then a simu ...

Keywords: augmented reality, high dynamic range image, image-based lighting, inverse rendering, reflection model

3 Predicting readability of data processing written materials

Ronald A. Guillemette
July 1987 **ACM SIGMIS Database**, Volume 18 Issue 4
Publisher: ACM Press
Full text available: pdf(923.77 KB) Additional Information: full citation, abstract, references

Poorly written documentation adversely affects the acquisition, development, use, maintenance, management and control of application software. Readability formulas, comprised of certain linguistic variables, provide rough estimates of the potential difficulty of reading material. This paper illustrates the application of well-known readability formulas in a readability assessment of the 1985 ANSI COBOL Standard. The paper summarizes certain limitations of readability formulas and concludes with ...

4 Systeomatics - dynamic biological systems informatics: Distribution estimation of synchronized budding yeast population

Antti Niemistö, Matti Nykter, Tommi Aho, Henna Jalovaara, Kalle Marjanen, Miika Ahdesmäki, Pekka Ruusuvuori, Mikko Tiainen, Marja-Leena Linne, Olli Yli-Harja
January 2004 **Proceedings of the winter international synposium on Information and communication technologies WISICT '04**
Publisher: Trinity College Dublin
Full text available: pdf(145.13 KB) Additional Information: full citation, abstract, references

A method for estimating the distribution of a synchronized budding yeast (*Saccharomyces cerevisiae*) cell population is presented. The method is based on the analysis of the amounts of genetic material in the individual cells of the population. The analysis is done using data that are obtained with a fluorescence-activated cell sorter by using a novel method for estimating the replication rate of genetic material. The method is tested with real data that were obtained in a time-series budd ...

5 Special issue on machine learning approaches to shallow parsing: Shallow parsing using noisy and non-stationary training material

Miles Osborne
March 2002 **The Journal of Machine Learning Research**, Volume 2
Publisher: MIT Press
Full text available: pdf(181.57 KB) Additional Information: full citation, abstract, references, citings, index terms

Shallow parsers are usually assumed to be trained on *noise-free* material, drawn from the same distribution as the testing material. However, when either the training set is *noisy* or else drawn from a *different* distributions, performance may be degraded. Using the parsed Wall Street Journal, we investigate the performance of four shallow parsers (maximum entropy, memory-based learning, N-grams and ensemble learning) trained using various types of artificially noisy material. ...

6 Material supply simulation for off shore pipelaying construction

Demos C. Angelides
December 1998 **Proceedings of the 30th conference on Winter simulation**
Publisher: IEEE Computer Society Press
Full text available: pdf(222.42 KB) Additional Information: full citation, references, citings, index terms

7 Business process, health care and service industry applications: The merger of discrete event simulation with activity based costing for cost estimation in manufacturing environments

Ulrich von Beck, John W. Nowak
December 2000 **Proceedings of the 32nd conference on Winter simulation**

Publisher: Society for Computer Simulation International
Full text available: pdf(392.79 KB) Additional Information: full citation, abstract, references

Activity based costing (ABC) has revolutionized product costing, planning, and forecasting in the last decade. It is based on a philosophy of estimation that: "it is better to be approximately right, than precisely wrong." The philosophy of discrete-event simulation modeling follows a similar tack, where statistical inference and the stochastic nature of processes are used to replicate the behavior of a physical system. In this work, ABC and discrete-event simulation are linked to provide an imp ...

8 Simulation in material flow systems—trends and developments
Bernd Noche
March 1986 **Proceedings of the 19th annual symposium on Simulation**
Publisher: IEEE Computer Society Press
Full text available: pdf(1.47 MB) Additional Information: full citation, references, index terms

9 Level set and PDE methods for computer graphics
David Breen, Ron Fedkiw, Ken Museth, Stanley Osher, Guillermo Sapiro, Ross Whitaker
August 2004 **Proceedings of the conference on SIGGRAPH 2004 course notes GRAPH '04**
Publisher: ACM Press
Full text available: pdf(17.07 MB) Additional Information: full citation, abstract

Level set methods, an important class of partial differential equation (PDE) methods, define dynamic surfaces implicitly as the level set (iso-surface) of a sampled, evolving nD function. The course begins with preparatory material that introduces the concept of using partial differential equations to solve problems in computer graphics, geometric modeling and computer vision. This will include the structure and behavior of several different types of differential equations, e.g. the level set eq ...

10 Three-dimensional medical imaging: algorithms and computer systems
M. R. Stytz, G. Frieder, O. Frieder
December 1991 **ACM Computing Surveys (CSUR)**, Volume 23 Issue 4
Publisher: ACM Press
Full text available: pdf(7.38 MB) Additional Information: full citation, references, citings, index terms, review

Keywords: Computer graphics, medical imaging, surface rendering, three-dimensional imaging, volume rendering

11 A rapid hierarchical rendering technique for translucent materials
Henrik Wann Jensen, Juan Buhler
July 2002 **ACM Transactions on Graphics (TOG) , Proceedings of the 29th annual conference on Computer graphics and interactive techniques SIGGRAPH '02**, Volume 21 Issue 3
Publisher: ACM Press
Full text available: pdf(1.10 MB) Additional Information: full citation, abstract, references, citings, index terms

This paper introduces an efficient two-pass rendering technique for translucent materials. We decouple the computation of irradianceat the surface from the evaluation of scattering inside the material.This is done by splitting the evaluation into two passes, where the first

pass consists of computing the irradiance at selected points on the surface. The second pass uses a rapid hierarchical integration technique to evaluate a diffusion approximation based on the irradiance samples. This approach ...

Keywords: BSSRDF, diffusion theory, global illumination, light transport, realistic image synthesis, reflection models, subsurface scattering

12 On using continuous flow lines for performance estimation of discrete production lines

Rajan Suri, Bor-Ruey Fu
December 1991 **Proceedings of the 23rd conference on Winter simulation**
Publisher: IEEE Computer Society
Full text available: pdf(988.62 KB) Additional Information: full citation, references, citings, index terms

13 High dynamic range imaging

Paul Debevec, Erik Reinhard, Greg Ward, Sumanta Pattanaik
August 2004 **Proceedings of the conference on SIGGRAPH 2004 course notes GRAPH '04**
Publisher: ACM Press
Full text available: pdf(20.22 MB) Additional Information: full citation, abstract

Current display devices can display only a limited range of contrast and colors, which is one of the main reasons that most image acquisition, processing, and display techniques use no more than eight bits per color channel. This course outlines recent advances in high-dynamic-range imaging, from capture to display, that remove this restriction, thereby enabling images to represent the color gamut and dynamic range of the original scene rather than the limited subspace imposed by current monitor ...

14 Global illumination using local linear density estimation

Bruce Walter, Philip M. Hubbard, Peter Shirley, Donald P. Greenberg
July 1997 **ACM Transactions on Graphics (TOG)**, Volume 16 Issue 3
Publisher: ACM Press
Full text available: pdf(22.31 MB) Additional Information: full citation, abstract, references, citings, index terms

This article presents the density estimation framework for generating view-independent global illumination solutions. It works by probabilistically simulating the light flow in an environment with light particles that trace random walks origination at luminaires and then using statistical density estimation techniques to reconstruct the lighting on each surface. By splitting the computation into separate transport and reconstruction stages, we gain many advantages including reduced memory u ...

Keywords: decimation, density estimation, particle tracing, realistic image synthesis, regression

15 Linear light source reflectometry

Andrew Gardner, Chris Tchou, Tim Hawkins, Paul Debevec
July 2003 **ACM Transactions on Graphics (TOG)**, Volume 22 Issue 3
Publisher: ACM Press
Full text available: pdf(12.74 MB) Additional Information: full citation, abstract, references, citings

This paper presents a technique for estimating the spatially-varying reflectance properties

of a surface based on its appearance during a single pass of a linear light source. By using a linear light rather than a point light source as the illuminant, we are able to reliably observe and estimate the diffuse color, specular color, and specular roughness of each point of the surface. The reflectometry apparatus we use is simple and inexpensive to build, requiring a single direction of motion for t ...

16 Objects II: Perceiving translucent materials

Roland W. Fleming, Henrik Wann Jensen, Heinrich H Bülthoff
August 2004 **Proceedings of the 1st Symposium on Applied perception in graphics and visualization APGV '04**
Publisher: ACM Press
Full text available: pdf(475.91 KB) Additional Information: full citation, abstract, references, index terms

Many common materials, including fruit, wax and human skin, are somewhat translucent. What makes an object look translucent or opaque? Here we use a recently developed computer graphics model of subsurface light transport [Jensen, *et al.*, 2001] to study the factors that determine perceived translucency. We discuss how physical factors, such as light-source direction can alter the apparent translucency of an object, finding that objects are perceived to be more translucent when illuminated ...

Keywords: perception, psychophysics, subsurface scattering

17 A practical guide to global illumination using ray tracing and photon mapping

Henrik Wann Jensen
August 2004 **Proceedings of the conference on SIGGRAPH 2004 course notes GRAPH '04**
Publisher: ACM Press
Full text available: pdf(697.07 KB) Additional Information: full citation, abstract

This course serves as a practical guide to ray tracing and photon mapping. The notes are mostly aimed at readers familiar with ray tracing, who would like to add an efficient implementation of photon mapping to an existing ray tracer. The course itself also includes a description of the ray tracing algorithm.There are many reasons to augment a ray tracer with photon maps. Photon maps makes it possible to efficiently compute global illumination including caustics, diffuse color bleeding, and part ...

18 Computational modeling and simulation of heart ventricular mechanics with tagged MRI

Zhenhua Hu, Dimitris Metaxas, Leon Axel
June 2005 **Proceedings of the 2005 ACM symposium on Solid and physical modeling**
Publisher: ACM Press
Full text available: pdf(330.76 KB) Additional Information: full citation, abstract, references, index terms

Heart ventricular mechanics has been investigated intensively in the last four decades. The passive material properties, the ventricular geometry and muscular architecture, and the myocardial activation are among the most important determinants of cardiac mechanics. The heart muscle is anisotropic, inhomogeneous, and highly nonlinear. The heart ventricular geometry is irregular and object dependent. The muscular architecture includes the organization of the fiber and the connective tissues. Stud ...

Keywords: EM algorithm, finite element method, myocardium, stiffness

19 Problem areas in estimating costs of computer-assisted instruction

June R. Chapin

January 1968 **Proceedings of the 1968 23rd ACM national conference**
Publisher: ACM Press
Full text available: pdf(437.31 KB) Additional Information: full citation, abstract, references, index terms

Glowing predictions on the future of education in the USA usually emphasize the expanding role that computer-assisted instruction (CAI) will have on a school or university system. It is expected that the use of computers for instructional purposes will greatly expand at all age levels. In light of the predicted expansion and the present interest in CAI, it appears imperative that administrators and the instructional staff understand some of the problem areas in estimating costs of CAI.

20 Estimation Needs for Future Networking Systems Interconnect: Estimation needs for future networking systems interconnect

Sudhakar Muddu
April 2002 **Proceedings of the 2002 international workshop on System-level interconnect prediction**
Publisher: ACM Press
Full text available: pdf(150.16 KB) Additional Information: full citation, abstract, index terms

Architectures for new products in the networking systems space will make tradeoffs in many dimensions, including density, cost, performance (functionality, throughput, latency, etc.) and power. This paper describes metrics for system-level interconnects in networking applications, along with associated estimation requirements.

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1 Material supply simulation for off shore pipelaying construction
Demos C. Angelides
December 1998 **Proceedings of the 30th conference on Winter simulation**
Publisher: IEEE Computer Society Press
Full text available: pdf(222.42 KB) Additional Information: full citation, references, citings, index terms

2 A0 system: APL in construction planning
Alexei I. Miroshnikov
July 1991 **ACM SIGAPL APL Quote Quad , Proceedings of the international conference on APL '91 APL '91**, Volume 21 Issue 4
Publisher: ACM Press
Full text available: pdf(389.74 KB) Additional Information: full citation, abstract, references, index terms

This paper describes an automation system for construction planning, named A0. A0 was developed for usage by big building companies at various stages of preparing and executing construction works. It supports different tasks starting with calculation of project estimates, bills of materials, and schedules of works and ending by providing the company executives with complete information for the supervision of the building process in their company. A0 includes also a DBMS for the All Union Data Ba ...

3 Level set and PDE methods for computer graphics
David Breen, Ron Fedkiw, Ken Museth, Stanley Osher, Guillermo Sapiro, Ross Whitaker
August 2004 **Proceedings of the conference on SIGGRAPH 2004 course notes GRAPH '04**
Publisher: ACM Press
Full text available: pdf(17.07 MB) Additional Information: full citation, abstract

Level set methods, an important class of partial differential equation (PDE) methods, define dynamic surfaces implicitly as the level set (iso-surface) of a sampled, evolving nD function. The course begins with preparatory material that introduces the concept of using partial differential equations to solve problems in computer graphics, geometric modeling and computer vision. This will include the structure and behavior of several different types of differential equations, e.g. the level set eq ...

4 Construction engineering and project management: Construction engineering and

project management I: building a virtual shop model for steel fabrication
Lingguang Song, Simaan M. AbouRizk
December 2003 **Proceedings of the 35th conference on Winter simulation: driving innovation**
Publisher: Winter Simulation Conference
Full text available: pdf(487.44 KB) Additional Information: full citation, abstract, references

Steel fabrication is a complex process, which encompasses product uniqueness, a high product mix, and a number of activities involving a variety of equipment and labor disciplines. The steel fabrication industry needs advanced tools and techniques in order to estimate, plan, and control fabrication shops. This paper proposes a system for building virtual fabrication shop models capable of estimating, scheduling, and analyze production. The system defines conceptual models for product, process ...

5 Construction of econometric planning models for business units
Robert K. Perdue
December 1979 **Proceedings of the 11th conference on Winter simulation - Volume 2**
Publisher: IEEE Press
Full text available: pdf(653.03 KB) Additional Information: full citation, abstract, references, index terms

This paper describes a method for constructing econometric planning models that can translate macroeconomic information into projected income statements for each of a corporation's various business units. Each business unit is modeled by equations expressing historical relationships between micro variables of interest (sales, various costs, net income) and their macro and/or internal determinants. The text provides guidelines for designing a model structure, specifying and estimating major ...

6 Special issue: Game-playing programs: theory and practice
M. A. Bramer
April 1982 **ACM SIGART Bulletin**, Issue 80
Publisher: ACM Press
Full text available: pdf(9.23 MB) Additional Information: full citation, abstract

This collection of articles has been brought together to provide SIGART members with an overview of Artificial Intelligence approaches to constructing game-playing programs. Papers on both theory and practice are included.

7 Constructing material interfaces from data sets with volume-fraction information
Kathleen S. Bonnell, Kenneth I. Joy, Bernd Hamann, Daniel R. Schikore, Mark Duchaineau
October 2000 **Proceedings of the conference on Visualization '00**
Publisher: IEEE Computer Society Press
Full text available: pdf(588.34 KB) Additional Information: full citation, citings, index terms

Keywords: Eulerian flow, Voronoi diagram, barycentric coordinates, material boundary surface, volume fraction

8 High dynamic range imaging
Paul Debevec, Erik Reinhard, Greg Ward, Sumanta Pattanaik
August 2004 **Proceedings of the conference on SIGGRAPH 2004 course notes GRAPH '04**
Publisher: ACM Press
Full text available: pdf(20.22 MB) Additional Information: full citation, abstract

Current display devices can display only a limited range of contrast and colors, which is

one of the main reasons that most image acquisition, processing, and display techniques use no more than eight bits per color channel. This course outlines recent advances in high-dynamic-range imaging, from capture to display, that remove this restriction, thereby enabling images to represent the color gamut and dynamic range of the original scene rather than the limited subspace imposed by current monitor ...

9 Special issue: AI in engineering

D. Sriram, R. Joobbani
April 1985 **ACM SIGART Bulletin**, Issue 92
Publisher: ACM Press
Full text available: pdf(8.79 MB) Additional Information: full citation, abstract

The papers in this special issue were compiled from responses to the announcement in the July 1984 issue of the SIGART newsletter and notices posted over the ARPAnet. The interest being shown in this area is reflected in the sixty papers received from over six countries. About half the papers were received over the computer network.

10 Construction engineering and project management: Construction engineering and project management III: monte carlo simulation for schedule risks

Brenda McCabe
December 2003 **Proceedings of the 35th conference on Winter simulation: driving innovation**
Publisher: Winter Simulation Conference
Full text available: pdf(324.01 KB) Additional Information: full citation, abstract, references

Research was undertaken to assist practitioners in undertaking Monte Carlo simulation of project schedules. A probabilistic model was developed to translate project characteristics into schedule risk boundaries. This model has been tested in several projects and performed very well. Lessons learned during the application of Monte Carlo simulation to a large project are discussed.

11 Construction engineering and project management: CEPM 4: optimization of the waste management for construction projects using simulation

Mala Chandrakanthi, Patrick Hettiaratchi, Bolívar Prado, Janaka Y. Ruwanpura
December 2002 **Proceedings of the 34th conference on Winter simulation: exploring new frontiers**
Publisher: Winter Simulation Conference
Full text available: pdf(209.23 KB) Additional Information: full citation, abstract, references

Growth in construction activities increases the amount of construction waste generated. Recycling of construction waste is an important component of environmentally responsible construction, as it reduces the amount of waste directed to landfills. In addition, it enhances the resource recovery for future construction work. A model is presented in this paper to predict waste generation rates, as well as to determine the economic advantages of recycling at construction sites. A future advanced ...

12 Construction engineering and project management: On the use of fuzzy clustering in construction simulation

Mohamed Marzouk, Osama Moselhi
December 2001 **Proceedings of the 33nd conference on Winter simulation**
Publisher: IEEE Computer Society
Full text available: pdf(283.55 KB) Additional Information: full citation, abstract, references, citings, index terms

This paper presents a methodology that integrates fuzzy clustering and computer simulation and demonstrates its use in modeling earthmoving operations. A simulation system (*SimEarth*) was developed to model earthmoving operations utilizing object-oriented features and discrete event simulation. Fuzzy clustering is used to provide realistic estimates of haulers' travel time so as to improve the accuracy of the simulation results. A case study involving the construction of a dam is presented ...

13 Real-time shading

Marc Olano, Kurt Akeley, John C. Hart, Wolfgang Heidrich, Michael McCool, Jason L. Mitchell, Randi Rost

August 2004 **Proceedings of the conference on SIGGRAPH 2004 course notes GRAPH '04**

Publisher: ACM Press

Full text available: pdf(7.39 MB) Additional Information: full citation, abstract

Real-time procedural shading was once seen as a distant dream. When the first version of this course was offered four years ago, real-time shading was possible, but only with one-of-a-kind hardware or by combining the effects of tens to hundreds of rendering passes. Today, almost every new computer comes with graphics hardware capable of interactively executing shaders of thousands to tens of thousands of instructions. This course has been redesigned to address today's real-time shading capabili ...

14 Facilitating simulation model development for construction engineers

Ali Touran

December 1992 **Proceedings of the 24th conference on Winter simulation**

Publisher: ACM Press

Full text available: pdf(610.97 KB) Additional Information: full citation, references, index terms

15 Three-dimensional medical imaging: algorithms and computer systems

M. R. Stytz, G. Frieder, O. Frieder

December 1991 **ACM Computing Surveys (CSUR)**, Volume 23 Issue 4

Publisher: ACM Press

Full text available: pdf(7.38 MB) Additional Information: full citation, references, citings, index terms, review

Keywords: Computer graphics, medical imaging, surface rendering, three-dimensional imaging, volume rendering

16 Computing curricula 2001

September 2001 **Journal on Educational Resources in Computing (JERIC)**

Publisher: ACM Press

Full text available: pdf(613.63 KB) html(2.78 KB) Additional Information: full citation, references, citings, index terms

17 TVA's materials management system (MAMS) project

David C. Nowading

April 1979 **Proceedings of the 17th annual Southeast regional conference**

Publisher: ACM Press

Full text available: Additional Information:

pdf(174.45 KB) full citation, abstract

The system provides support for the typical activities in the materials cycle: identifying materials needed for construction and maintenance projects, procurement and receipt of those materials, management of inventories at storerooms and plant sites, and materials-related accounting functions. It also provides for uniform numbering of TVA materials, and for the collection, computer storage, and use of consistent descriptive and technical information about those materials. The functions of the s ...

18 Using simulation and visualization technologies to strengthen the design/construction interface

Jorge A. Vanegas, Augusto Op den Bosch
December 1994 **Proceedings of the 26th conference on Winter simulation**
Publisher: Society for Computer Simulation International
Full text available: pdf(870.17 KB) Additional Information: full citation, references, citings, index terms

19 State of the art in Monte Carlo global illumination

Philip Dutré, Henrik Wann Jensen, Jim Arvo, Kavita Bala, Philippe Bekaert, Steve Marschner, Matt Pharr
August 2004 **Proceedings of the conference on SIGGRAPH 2004 course notes GRAPH '04**
Publisher: ACM Press
Full text available: pdf(5.48 MB) Additional Information: full citation, abstract

Realistic image synthesis is increasingly important in areas such as entertainment (movies, special effects and games), design, architecture and more. A common trend in all these areas is the quest for more realistic images of increasingly complex models. Monte Carlo global illumination algorithms are the only methods that can handle this complexity. Recent advances in algorithms and compute power has made Monte Carlo algorithms very practical and a natural choice for most problems.The purpose o ...

20 On the Construction of Feedback Queries

D. Chow, C. T. Yu
January 1982 **Journal of the ACM (JACM)**, Volume 29 Issue 1
Publisher: ACM Press
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Engineering Structures, Volume 25, Issue 11, September 2003, Pages 1369-1376
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International Journal of Production Economics, Volume 84, Issue 1, 11 April 2003, Pages 1-16
Donald S. Remer and Fernando B. Mattos
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International Biodeterioration & Biodegradation, Volume 49, Issue 4, June 2002, Pages 253-258
J. J. Morrell
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5. **Multi-dimensional heat transfer through complex building envelope assemblies in hourly energy simulation programs** • ARTICLE
Energy and Buildings, Volume 34, Issue 5, June 2002, Pages 445-454
Jan Kośny and Elizabeth Kossecka
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6. **Embodied energy in buildings: wood versus concrete—reply to Börjesson and Gustavsson** • CORRESPONDENCE

Energy Policy, Volume 30, Issue 3, February 2002, Pages 249-255
M. Lenzen and G. Treloar
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7. ☐ **Wood innovation in the residential construction sector; opportunities and constraints** • ARTICLE
Resources, Conservation and Recycling, Volume 34, Issue 1, December 2001, Pages 53-74
Tessa Goverse, Marko P. Hekkert, Peter Groenewegen, Ernst Worrell and Ruud E. H. M. Smits
SummaryPlus | Full Text + Links | PDF (222 K)

8. ☐ **Energy impacts of recycling disassembly material in residential buildings** • ARTICLE
Energy and Buildings, Volume 33, Issue 6, July 2001, Pages 553-562
Weijun Gao, Takahiro Ariyama, Toshio Ojima and Alan Meier
SummaryPlus | Full Text + Links | PDF (374 K)

9. ☐ **Greenhouse gas balances in building construction: wood versus concrete from life-cycle and forest land-use perspectives** • ARTICLE
Energy Policy, Volume 28, Issue 9, 31 July 2000, Pages 575-588
Pål Börjesson and Leif Gustavsson
SummaryPlus | Full Text + Links | PDF (522 K)

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Advances in Engineering Software, Volume 31, Issue 1, January 2000, Pages 45-56
R. Hussein
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11. ☐ **Wood-based building materials and atmospheric carbon emissions** • ARTICLE
Environmental Science & Policy, Volume 2, Issue 6, December 1999, Pages 427-437
Andrew H. Buchanan and S. Bry Levine
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Building and Environment, Volume 32, Issue 4, July 1997, Pages 321-329
K. Adalberth
Abstract | Abstract + References | PDF (814 K)

13. ☐ **Life-cycle energy use in office buildings** • ARTICLE
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Raymond J. Cole and Paul C. Kernan
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14. ☐ **Thermal evaluation of several configurations of insulation and structural materials for some metal stud walls** • ARTICLE
Energy and Buildings, Volume 22, Issue 2, 1995, Pages 157-163
Jan Kosny and Jeffrey E. Christian
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Robin M. Wagner, Nicholas P. Jones and Gordon S. Smith
Abstract

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Journal of Hazardous Materials, Volume 33, Issue 1, January 1993, Pages 1-33
P. A. Davies
Abstract

17. ☐ **Simulation of the effects of duct leakage and heat transfer on residential space-cooling energy use** • ARTICLE
Energy and Buildings, Volume 20, Issue 2, 1993, Pages 97-113
Danny Parker, Philip Fairey and Lixing Gu
Abstract

18. ☐ **Changing nature of wood-based structural materials** • ARTICLE
Construction and Building Materials, Volume 6, Issue 3, 1992, Pages 139-143
M. R. O'Halloran
Abstract

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L1: Entry 1 of 22 File: PGPB Apr 28, 2005

PGPUB-DOCUMENT-NUMBER: 20050090635
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20050090635 A1

TITLE: Polysiloxane sols method for the production and use thereof

PUBLICATION-DATE: April 28, 2005

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Hommmes, Peter	Zell am Main		DE
Niemeier, Manuela	Munster		DE
Rink, Heinz-Peter	Munster		DE
Henkelmann, Jochem	Mannheim		DE
Thil, Lucien	Limburgerhof		DE

US-CL-CURRENT: 528/31

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☐ 2. Document ID: US 20040234487 A1

L1: Entry 2 of 22 File: PGPB Nov 25, 2004

PGPUB-DOCUMENT-NUMBER: 20040234487
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20040234487 A1

TITLE: Polyurethane and polyurethane-based mixed graft polymers and their use for producing coating materials, adhesives and sealing compounds

PUBLICATION-DATE: November 25, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Bremser, Wolfgang	Munster		DE
Kruger, Thomas	Eisingen		DE

Locken, Wilma	Haltern	DE
Rink, Peter-Heinz	Munster	DE
Schwarte, Stephan	Emsdetten	DE

US-CL-CURRENT: 424/70.17; 528/75

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw De

☐ 3. Document ID: US 20040087714 A1

L1: Entry 3 of 22 File: PGPB May 6, 2004

PGPUB-DOCUMENT-NUMBER: 20040087714
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20040087714 A1

TITLE: Thermally hardenable and with actinic radiation multicomponent coating materials, adhesives and sealing materials and the use thereof

PUBLICATION-DATE: May 6, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Baumgart, Hubert	Munster		DE
Meisenburg, Uwe	Duisburg		DE
Rink, Heinz-Peter	Munster		DE

US-CL-CURRENT: 524/589; 427/407.1

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw De

☐ 4. Document ID: US 20040082708 A1

L1: Entry 4 of 22 File: PGPB Apr 29, 2004

PGPUB-DOCUMENT-NUMBER: 20040082708
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20040082708 A1

TITLE: Continuous method for the production of powder paint suspensions (powder slurries) and powder paints

PUBLICATION-DATE: April 29, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Rink, Heinz-Peter	Munster		DE
Jung, Werner-Alfons	Ascheberg		DE
Stang, Michael	Ludwigshafen		DE
Wolf, Heiko	Frankenthal		DE

US-CL-CURRENT: 524/556

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw De

☐ 5. Document ID: US 20040072941 A1

L1: Entry 5 of 22 File: PGPB Apr 15, 2004

PGPUB-DOCUMENT-NUMBER: 20040072941
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20040072941 A1

TITLE: Aqueous coating substance that is substantially or completely free of volatile organic substances, method for producing the same and the use thereof

PUBLICATION-DATE: April 15, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Nickolaus, Ralf	Drensteinfurt		DE
Rink, Heinz-Peter	Munster		DE
Clauss, Reinhold	Steinfurt		DE
Wessling, Elisabeth	Emsdetten		DE
Locken, Wilma	Haltern		DE
Bendix, Maximilian	Munster		DE
Mikolajetz, Dunja	Ascheberg		DE

US-CL-CURRENT: 524/507

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw De

☐ 6. Document ID: US 20040019142 A1

L1: Entry 6 of 22 File: PGPB Jan 29, 2004

PGPUB-DOCUMENT-NUMBER: 20040019142
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20040019142 A1

TITLE: Solvent-containing coating material and the use thereof

PUBLICATION-DATE: January 29, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Rink, Heinz-Peter	Munster		DE
Mangels, Ines	Munster		DE
Mikolajetz, Dunja	Munster		DE
Mollmann, Margret	Munster		DE

US-CL-CURRENT: 524/377

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw De

☐ 7. Document ID: US 20030143414 A1

L1: Entry 7 of 22 File: PGPB Jul 31, 2003

PGPUB-DOCUMENT-NUMBER: 20030143414
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20030143414 A1

TITLE: Aqueous primary dispersions and coating agents, methods for producing them and their use

PUBLICATION-DATE: July 31, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Bendix, Maximilian	Munster		DE
Rink, Heinz-Peter	Munster		DE
Wessling, Elisabeth	Emsdetten		DE
Clauss, Reinhold	Steinfurt		DE
Nickolaus, Ralf	Drensteinfurth		DE

US-CL-CURRENT: 428/500; 516/77

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw De

☐ 8. Document ID: US 20030104132 A1

L1: Entry 8 of 22 File: PGPB Jun 5, 2003

PGPUB-DOCUMENT-NUMBER: 20030104132
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20030104132 A1

TITLE: Multi-component coatings, adhesives and sealants and the use thereof

PUBLICATION-DATE: June 5, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Baumgart, Hubert	M?uuml;nster		DE
Rink, Heinz-Peter	M?uuml;nster		DE
Jurczik, Simone	Senden		DE
Hagemeister, Edeltraud	Greven		DE

US-CL-CURRENT: 427/385.5

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw De

☐ 9. Document ID: US 20030100673 A1

L1: Entry 9 of 22 File: PGPB May 29, 2003

PGPUB-DOCUMENT-NUMBER: 20030100673
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20030100673 A1

TITLE: Aqueous primary dispersions, method for preparation and use thereof

PUBLICATION-DATE: May 29, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Bendix, Maximilian	Oelde		DE
Rink, Heinz-Peter	Munster		DE

US-CL-CURRENT: 524/801

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw De

☐ 10. Document ID: US 20030100663 A1

L1: Entry 10 of 22 File: PGPB May 29, 2003

PGPUB-DOCUMENT-NUMBER: 20030100663
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20030100663 A1

TITLE: Aqueous aerosol paints

PUBLICATION-DATE: May 29, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Rink, Heinz-Peter	Munster		DE
Jung, Werner-Alfons	Ascheberg		DE
Wilke, Guido	Munster		DE
Weber, Dieter	Overath		DE
Weintz, Hans-Joachim	Senden		DE

US-CL-CURRENT: 524/507; 524/555, 524/560

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw De

☐ 11. Document ID: US 20030091833 A1

L1: Entry 11 of 22 File: PGPB May 15, 2003

PGPUB-DOCUMENT-NUMBER: 20030091833
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20030091833 A1

TITLE: Substance mixture which can be cured thermally and by using actinic radiation,and the use thereof

PUBLICATION-DATE: May 15, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Baumgart, Hubert	Duisburg	MI	US
Meisenburg, Uwe	M?uuml;nster		DE
Rink, Heinz-Peter	West Bloomfield		DE
Harris, Paul J	Wachenheim		US
Schwalm, Reinhold			DE

US-CL-CURRENT: 428/423.1

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw De

☐ 12. Document ID: US 20030069352 A1

L1: Entry 12 of 22 File: PGPB Apr 10, 2003

PGPUB-DOCUMENT-NUMBER: 20030069352
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20030069352 A1

TITLE: Aqueous (meth)acrylate copolmer dispersions, method for producing the same, and the use thereof

PUBLICATION-DATE: April 10, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Locken, Wilma	Haltern		DE
Rink, Heinz-Peter	Munster		DE
Heimeier, Ursula	Sendenhorst		DE

US-CL-CURRENT: 524/800; 524/832

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw De

☐ 13. Document ID: US 20030023017 A1

L1: Entry 13 of 22 File: PGPB Jan 30, 2003

PGPUB-DOCUMENT-NUMBER: 20030023017
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20030023017 A1

TITLE: Diethyloctandioldicarbamates and diethyloctandioldiallophanates, method for the production and use thereof

PUBLICATION-DATE: January 30, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Rink, Heinz-Peter	Mannheim	MI	US
Henkelmann, Jochem	Ascheberg	MI	DE
Jung, Werner-Alfons	Bloomfield		DE
Harris, Paul J	Canton		US
Ramesh, Swaminathan			US

US-CL-CURRENT: 526/301; 526/322, 556/89, 560/115, 560/132, 560/158, 560/159

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw De

☐ 14. Document ID: US 7034074 B2

L1: Entry 14 of 22 File: USPT Apr 25, 2006

US-PAT-NO: 7034074
DOCUMENT-IDENTIFIER: US 7034074 B2

TITLE: Aqueous primary dispersions and coating agents, methods for producing them and their use

DATE-ISSUED: April 25, 2006

PRIOR-PUBLICATION:

DOC-ID	DATE
US 20030143414 A1	July 31, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Bendix; Maximilian	Oelde			DE
Rink; Heinz-Peter	Munster			DE
Wessling; Elisabeth	Emsdetten			DE
Clauss; Reinhold	Steinfurt			DE
Nicholaus; Ralf	Drensteinfurth			DE

US-CL-CURRENT: 524/804; 525/329.9, 526/346, 526/347, 528/367, 528/369, 528/423, 528/45, 528/73

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw De

☐ 15. Document ID: US 7001975 B2

L1: Entry 15 of 22 File: USPT Feb 21, 2006

US-PAT-NO: 7001975
DOCUMENT-IDENTIFIER: US 7001975 B2

TITLE: Polyurethane and polyurethane-based mixed graft polymers and their use for producing coating materials, adhesives and sealing compounds

DATE-ISSUED: February 21, 2006

PRIOR-PUBLICATION:

DOC-ID	DATE
US 20040234487 A1	November 25, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Bremser; Wolfgang	Munster			DE
Kruger; Thomas	Eisingen			DE
Locken; Wilma	Haltern			DE
Rink; Peter-Heinz	Munster			DE
Schwarte; Stephan	Emsdetten			DE

US-CL-CURRENT: 528/75; 525/123, 526/301, 528/49, 528/59

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw De

☐ 16. Document ID: US 6953822 B2

L1: Entry 16 of 22 File: USPT Oct 11, 2005

US-PAT-NO: 6953822
DOCUMENT-IDENTIFIER: US 6953822 B2

TITLE: Aqueous (meth)acrylate copolymer dispersions, method for producing the same, and the use thereof

DATE-ISSUED: October 11, 2005

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Locken; Wilma	Haltern			DE
Rink; Heinz-Peter	Munster			DE
Heimeier; Ursula	Sendenhorst			DE

US-CL-CURRENT: 524/460; 524/534, 524/536

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw De

☐ 17. Document ID: US 6878841 B2

L1: Entry 17 of 22 File: USPT Apr 12, 2005

US-PAT-NO: 6878841
DOCUMENT-IDENTIFIER: US 6878841 B2

TITLE: Diethyloctandioldicarbamates and diethyloctandioldiallophanates, method for the production and use thereof

DATE-ISSUED: April 12, 2005

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Rink; Heinz-Peter	Munster			DE
Henkelmann; Jochem	Mannheim			DE
Jung; Werner-Alfons	Ascheberg			DE
Harris; Paul J.	West Bloomfield	MI		
Ramesh; Swaminathan	Canton	MI		

US-CL-CURRENT: 560/24; 560/19

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWMC | Draw De

☐ 18. Document ID: US 6797761 B2

L1: Entry 18 of 22 File: USPT Sep 28, 2004

US-PAT-NO: 6797761
DOCUMENT-IDENTIFIER: US 6797761 B2

TITLE: Aqueous primary dispersions, method for preparation and use thereof

DATE-ISSUED: September 28, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Bendix; Maximilian	Oelde			DE
Rink; Heinz-Peter	Munster			DE

US-CL-CURRENT: 524/457; 524/570, 524/571, 524/804, 526/210

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWMC | Draw De

☐ 19. Document ID: US 6777090 B2

L1: Entry 19 of 22 File: USPT Aug 17, 2004

US-PAT-NO: 6777090

DOCUMENT-IDENTIFIER: US 6777090 B2

TITLE: Substance mixture which can be cured thermally and by using actinic radiation, and the use thereof

DATE-ISSUED: August 17, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Baumgart; Hubert	Munster			DE
Meisenburg; Uwe	Duisburg			DE
Rink; Heinz-Peter	Munster			DE
Harris; Paul J.	West Bloomfield	MI		
Schwalm; Reinhold	Wachenheim			DE

US-CL-CURRENT: 428/423.1; 428/413, 428/523, 522/1, 522/100, 525/278

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWMC | Draw De

☐ 20. Document ID: US 6756072 B2

L1: Entry 20 of 22 File: USPT Jun 29, 2004

US-PAT-NO: 6756072
DOCUMENT-IDENTIFIER: US 6756072 B2

TITLE: Multi-component coatings, adhesives and sealants and the use thereof

DATE-ISSUED: June 29, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Baumgart; Hubert	Munster			DE
Rink; Heinz-Peter	Munster			DE
Jurczik; Simone	Senden			DE
Hagemeister; Edeltraud	Greven			DE

US-CL-CURRENT: 427/195; 427/385.5, 427/388.2, 427/393.5, 525/123, 525/127, 525/128, 525/934, 528/69, 528/73

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWMC | Draw De

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Term	Documents
RINKS	540
RINK	4493

Hit List

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Search Results - Record(s) 21 through 22 of 22 returned.

☐ 21. Document ID: US 6716891 B1

Using default format because multiple data bases are involved.

L1: Entry 21 of 22 File: USPT Apr 6, 2004

US-PAT-NO: 6716891
DOCUMENT-IDENTIFIER: US 6716891 B1

TITLE: Coating material that can be cured thermally or by actinic radiation, and its use

DATE-ISSUED: April 6, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Meisenburg; Uwe	Duisburg			DE
Rink; Heinz-Peter	Munster			DE
Joost; Karl-Heinz	Drensteinfurt			DE
Baumgart; Hubert	Munster			DE

US-CL-CURRENT: 522/90; 428/413, 428/419, 428/423.1, 428/482, 428/500, 522/104, 522/127, 522/129, 522/134, 522/146, 522/168, 522/170, 522/172, 522/173, 522/174, 522/175, 522/178, 522/179, 522/180, 522/181, 522/182, 522/183, 528/205, 528/29, 528/376, 528/418, 528/425, 528/75, 528/85

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw De

☐ 22. Document ID: US 6627700 B1

L1: Entry 22 of 22 File: USPT Sep 30, 2003

US-PAT-NO: 6627700
DOCUMENT-IDENTIFIER: US 6627700 B1

TITLE: Aqueous dispersions of acrylate modified alkyd resins and use thereof

DATE-ISSUED: September 30, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Kadambande; Vijay	Munster			DE
Rink; Heinz-Peter	Munster			DE

Hit List

First Hit | Clear | Generate Collection | Print | Fwd Refs | Bkwd Refs | Generate OACS

Search Results - Record(s) 1 through 8 of 8 returned.

☐ 1. Document ID: US 20040073410 A1

Using default format because multiple data bases are involved.

L3: Entry 1 of 8 File: PGPB Apr 15, 2004

PGPUB-DOCUMENT-NUMBER: 20040073410
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20040073410 A1

TITLE: Computerized system and method of collaborative structural frame development

PUBLICATION-DATE: April 15, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Maly, John	Littleton	CO	US
Baynit, Robert	Englewood	CO	US
Tooley, Michael	Monument	CO	US

US-CL-CURRENT: 703/1

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw De

☐ 2. Document ID: US 20030115163 A1

L3: Entry 2 of 8 File: PGPB Jun 19, 2003

PGPUB-DOCUMENT-NUMBER: 20030115163
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20030115163 A1

TITLE: Methods and systems for estimating building reconstruction costs

PUBLICATION-DATE: June 19, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Moore, George C.	Port Chester	NY	US
Rissell, Todd	New Canaan	CT	US

US-CL-CURRENT: 705/500

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw De

☐ 3. Document ID: US 6826516 B1

L3: Entry 3 of 8 File: USPT Nov 30, 2004

US-PAT-NO: 6826516
DOCUMENT-IDENTIFIER: US 6826516 B1

TITLE: Apparatus for working building material

DATE-ISSUED: November 30, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Ito; Hiromichi	Minokamo			JP

US-CL-CURRENT: 703/1

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw De

☐ 4. Document ID: US 6060002 A

L3: Entry 4 of 8 File: USPT May 9, 2000

US-PAT-NO: 6060002
DOCUMENT-IDENTIFIER: US 6060002 A

TITLE: Fire resistant liquid, process for preparing it, and fireproof building material and fire resistant adhesive using the fire resistant liquid

DATE-ISSUED: May 9, 2000

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Ishikawa; Kazuo	Yokohama			JP

US-CL-CURRENT: 252/607; 106/18.12, 252/601, 252/608, 423/332, 423/345

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw De

☐ 5. Document ID: US 6004387 A

L3: Entry 5 of 8 File: USPT Dec 21, 1999

US-PAT-NO: 6004387
DOCUMENT-IDENTIFIER: US 6004387 A

TITLE: Fire resistant liquid, process for preparing it, and fireproof building material and fire resistant adhesive using the fire resistant liquid

DATE-ISSUED: December 21, 1999

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Ishikawa; Kazuo	Yokohoma			JP

US-CL-CURRENT: 106/18.12; 252/601, 252/607, 252/608, 428/428, 428/453, 428/537.1, 428/537.5, 428/921

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Drawi De

☐ 6. Document ID: US 5879593 A

L3: Entry 6 of 8 File: USPT Mar 9, 1999

US-PAT-NO: 5879593
DOCUMENT-IDENTIFIER: US 5879593 A

TITLE: Fire resistant liquid, process for preparing it, and fireproof building material and fire resistant adhesive using the fire resistant liquid

DATE-ISSUED: March 9, 1999

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Ishikawa; Kazuo	Yokohama			JP

US-CL-CURRENT: 252/607; 106/18.12, 252/601, 252/608, 423/332, 423/345

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Drawi De

☐ 7. Document ID: US 3646690 A

L3: Entry 7 of 8 File: USPT Mar 7, 1972

US-PAT-NO: 3646690
DOCUMENT-IDENTIFIER: US 3646690 A
** See image for Certificate of Correction **

TITLE: APPARATUS AND METHOD FOR CONVEYING INFORMATION

DATE-ISSUED: March 7, 1972

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Feagan; Robert L.	St. Louis	MO	63108	

US-CL-CURRENT: 434/73

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Drawi De

☐ 8. Document ID: US 3574981 A

L3: Entry 8 of 8 File: USPT Apr 13, 1971

US-PAT-NO: 3574981
DOCUMENT-IDENTIFIER: US 3574981 A

TITLE: ADJUSTABLE BRACE

DATE-ISSUED: April 13, 1971

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Henschen; Herbert H.	Norwood	MN		

US-CL-CURRENT: 52/127.2; 248/354.3, 52/149, 52/745.12, 52/749.1

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Drawi De

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Term	Documents
ESTIMAT$	0
ESTIMAT	24
ESTIMATA	1
ESTIMATABILITY	1
ESTIMATABLE	79
ESTIMATAD	1
ESTIMATATED	2
ESTIMATATION	17
ESTIMATC	2
ESTIMATCD	2
ESTIMATD	3
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Search Results - Record(s) 1 through 5 of 5 returned.

☐ 1. Document ID: US 20050165576 A1

Using default format because multiple data bases are involved.

L5: Entry 1 of 5 File: PGPB Jul 28, 2005

PGPUB-DOCUMENT-NUMBER: 20050165576
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20050165576 A1

TITLE: System and method for generating three-dimensional density-based defect map

PUBLICATION-DATE: July 28, 2005

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Jesmonth, Richard E.	Gulf Breeze	FL	US

US-CL-CURRENT: 702/137; 702/39, 73/594

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw De

☐ 2. Document ID: US 20040073410 A1

L5: Entry 2 of 5 File: PGPB Apr 15, 2004

PGPUB-DOCUMENT-NUMBER: 20040073410
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20040073410 A1

TITLE: Computerized system and method of collaborative structural frame development

PUBLICATION-DATE: April 15, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Maly, John	Littleton	CO	US
Baynit, Robert	Englewood	CO	US
Tooley, Michael	Monument	CO	US

US-CL-CURRENT: 703/1

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw De

☐ 3. Document ID: US 20030115163 A1

L5: Entry 3 of 5 File: PGPB Jun 19, 2003

PGPUB-DOCUMENT-NUMBER: 20030115163
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20030115163 A1

TITLE: Methods and systems for estimating building reconstruction costs

PUBLICATION-DATE: June 19, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Moore, George C.	Port Chester	NY	US
Rissell, Todd	New Canaan	CT	US

US-CL-CURRENT: 705/500

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw De

☐ 4. Document ID: US 6922701 B1

L5: Entry 4 of 5 File: USPT Jul 26, 2005

US-PAT-NO: 6922701
DOCUMENT-IDENTIFIER: US 6922701 B1

TITLE: Generating cad independent interactive physical description remodeling, building construction plan database profile

DATE-ISSUED: July 26, 2005

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Ananian; John A.	Ogawara-machi, Shibata-gun, Miyagi, 989-1201			JP
Duggan; Daniel J.	Nanoose Bay, British Columbia		V9P 9C4	CA
Mahovlic; Steven R.	Parksville, BC			CA

US-CL-CURRENT: 707/104.1; 703/1, 706/923, 707/1, 707/6

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw De

☐ 5. Document ID: US 6446053 B1

L5: Entry 5 of 5 File: USPT Sep 3, 2002

US-PAT-NO: 6446053
DOCUMENT-IDENTIFIER: US 6446053 B1

TITLE: Computer-implemented method and system for producing a proposal for a construction project

DATE-ISSUED: September 3, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Elliott; Michael	Solvang	CA	93464	

US-CL-CURRENT: 705/400; 703/1, 707/104.1

Term	Documents
4.PGPB,USPT.	5
(L4).PGPB,USPT.	5